



Water Supply Outlook

The water supply outlook is good, although watershed conditions are extremely dry, and total reservoir storage is below normal for this time of year. Chester Morse Lake's water surface elevation is currently at 1553.9 feet, about 4.2 feet below its normal water surface elevation for this time of year, and the S.F. Tolt Reservoir is at 1746.5 feet, about 13.7 feet below normal. Although the S.F. Tolt Reservoir did not achieve full refill, the capabilities afforded by the Tolt Treatment Facility give access to about 30% more storage (20 more feet in the reservoir) than prior to 2000. Water consumption for the week ending July 13 averaged 200 mgd, with a peak day consumption for the week, and the summer thus far, of 222 mgd on July 10. Last week's average is greater than the average of 188 mgd over the same period last year, and greater than the average of 194 mgd used during the same period in 1994-2000.

Extremely dry conditions persist in our watersheds. The winter snowpack, peaking at 65% of normal, was the third or fourth poorest in 25 years of records, and the melt-off of the snowpack was completed about a month early. Some rivers in the region continue to report new record low flows for this time of year, including the Cedar and Rex rivers in the Cedar River watershed above the reservoir, and the South Fork Tolt River in the Tolt watershed above the reservoir. Below the reservoirs, normal instream flows are being provided.

A key element of the Cedar River Habitat Conservation Plan has been put into service! From June 23 on, all water diverted from the Cedar River is passing through the new downstream passage screening system. This large V-screen structure passes downstream migrating fish of any size safely past the Landsburg Diversion Dam.



CIP Projects Update

Cedar Treatment Facility Design-Build-Operate Project (DBO)

Clearwells

The South Clearwell tensioning and shotcrete is complete. The North Clearwell concrete is also complete, and they will begin tensioning next week. The North Clearwell has two roof section and one wall pour remaining. Both 10-million gallon storage structures are scheduled for completion the end of September.

Ozone Building

The pipeline basin #4 is being hydrostatic tested. Epoxy injection of cracks will take place over the next month. The ozone diffusers for this basin will be installed after the basin leak test is acceptable. Basin #5 has wall forms and concrete placement ongoing till mid-July. It will then go through the same hydrostatic testing and crack repair procedures as Basin #4.



Ozone Area under construction

UV Building

Epoxy injection of cracks is taking place for the next few weeks. Upper wall and slab sections are being formed and poured till the end of July. Major electrical conduits and duct backs are complete. Once the hydrostatic test is complete the lower structure will be backfilled. Masonry is starting next week.

Flow Control Facility #4

Hydrostatic testing of the pipe is complete. The vault lid pour, electrical system installation, and backfilling will be completed by the end of summer.

Flow Control Facility #5

Shoring piles and lagging are installed. The first slab on grade was poured this week. Forming and pouring for other slabs and walls will start in July. The piping is delivered.

Raw Water Intake

Pile driving for tower #5 was completed this week. Deck bracing, pump cans, and pumps will be installed. The completion date for the structure is the end of September.

PSE Substation

Construction of the substation is scheduled to begin in July, and should be completed in December.

It will provide power to the new treatment facility.

Additional project update information is available on the public web site (<http://projects.ch2m.com/cedarps/>). Or, by calling Duane Maki at (206) 615-2001.



Water Quality Report

Chlorine Residual and Coliform Data from June 2003

There were no positive coliform samples in purveyor areas during June 2003. Average chlorine residual concentrations in the purveyor distribution systems ranged from 0.6 to 1.3 mg/L during the last month, with an overall average of 0.9 mg/L. The target residual at the Tolt Treatment facility was 1.5 mg/L and the Cedar target residual was 2.0 mg/L.

Disinfection By-Products Results

Sample analysis for 2nd Quarter 2003 is complete. All purveyors remained in compliance with regulatory standards for trihalomethanes and haloacetic acids. Compliance results were submitted to the Washington Department of Health by July 10th with separate mailings sent to individual purveyors.

Annual Analysis of Cedar and Tolt Water Supplies

The SPU Water Quality Laboratory has conducted annual analysis of Cedar and Tolt water supplies. This includes results for primary and secondary standards as well as general parameters such as alkalinity and hardness. Electronic versions will be emailed to purveyors in coming weeks. Results will also be posted online at <http://www.ci.seattle.wa.us/util/services/WaterQuality/default.htm>.

Lead and Copper Monitoring

The last round of lead and copper sampling for the Regional Lead and Copper Monitoring Program was conducted in early 1997. The next rounds of sampling will be conducted during fall 2003 and spring 2004 in order to assess the impacts of the new corrosion control treatment system installed at the Tolt Treatment Facility and other improvements SPU has made to the water quality. SPU has mailed letters to non-participating purveyors confirming their status and letters to participating purveyors with an outline of key dates, sample allocation list, a sample customer letter, and a table of monitoring locations. These two rounds of monitoring represent the final task of a Bilateral Compliance Agreement with WDOH.

Taste and Odor

The taste and odor panel is meeting weekly. Samples are rated on a scale from 1 to 9, with 1 representing the best and 9 representing the worst. The taste and odor flavor rating assessment (FRA) for the most recent Cedar distribution sample was 4.4 and the Tolt supply was 1.6. If you would like to receive a weekly update of the taste and odor panel results, please e-mail Moya Joubert at moya.joubert@seattle.gov. SPU Contact: Wylie Harper, 206 684-7880 or Lynn Kirby, 206 684-0216.

Regional Conservation Program Update Summary

On the web at www.seattle.gov/util/purveyors

EDUCATION

Bert and Phil's Waterbusters! Game Update

Progress continues to move forward on the new on-line interactive home water conservation game for kids. This game will feature Bert the

Salmon and Phil Dumpster. The game will allow users to direct Phil through a virtual home to solve his many water woes, ably assisted by his water conservation expert friend, Bert. The object of the game will be to stop the whirling water meter, thereby saving water. The completion date for the product is September, in time for the start of the new school year. For a preliminary view, go to <http://robo.smashingideas.com/client/sput/>.

CONTACT: Mike Mercer, (206) 684-0570

RESIDENTIAL INDOOR

Low Income Toilet Rebate Program

A mailing went out to 390 low-income buildings throughout the SWP service territory. This two-page mailing included a letter, testimonials from program participants, and a rebate form. Qualified low-income buildings can receive \$100 per toilet rebates through December 1st of this year.

CONTACT: David Broustis, (206) 684-4150

Multifamily Toilet Rebates

Through June 25th, 3,157 toilets have been rebated so far this year. 23% of the toilets rebated have been from wholesale customer areas. A multifamily recruitment mailing will go out soon. It will be a two-page letter mailed to 990 wholesale customers as approved by participating wholesale customers.

In addition, Northshore U.D. will be sending out the letter directly to their customers.

CONTACT: David Broustis, (206) 684-4150

Toilet Testing

Draft results have been released for toilet performance testing that has been taking place in Toronto. These results are going to be used to define a list of toilets qualified for our rebates, and most likely to help formulate a single-family toilet rebate program.

CONTACT: David Broustis, (206) 684-4150



RESIDENTIAL LANDSCAPE

Rebates for Residential and Small Commercial Irrigation Upgrades

Participating utilities in the Saving Water Partnership launched an innovative new irrigation incentive program last week, expected to save some customers up to 30% on their summer water bills. Primarily targeted to high-water-using customers, the rebate is available to all residential and small commercial property owners who use automatic sprinkler systems for landscape irrigation. To qualify for up to \$450 in total rebates, customers will contract with irrigation professionals for a sprinkler system tune-up and inspection. State-of-the-art rain sensors will be installed on existing controllers or customers may opt for a rain-sensor and super-efficient self-adjusting. Sprinkler system rebates will be promoted through October so

customers can take advantage of the program before their annual sprinkler winterization process begins.

CONTACT: Tracey Rowland, 233-3839 and Jenna Smith, 684-0455.

COMMERCIAL

IRRIGATION AUDITS & \$100 RAIN SENSOR REBATES

Now that the irrigation season has arrived, commercial and multifamily customers can receive no obligation irrigation audits. The Water Efficient Irrigation Program will also provide a \$100 rebate on rain sensors and financial incentives of up to 50% of the cost for irrigation upgrades that save water. Help your customers use water efficiently by referring them for program assistance.

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